

**Notice of Allowability**

Application No.

09/815,616

Applicant(s)

KUMMAMURU ET AL.

Examiner

Art Unit

Sam Rimell

2165

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 11/1/04.
2. ☒ The allowed claim(s) is/are 1-66.
3. ☒ The drawings filed on 23 March 2001 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

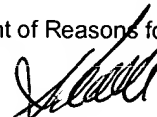
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date \_\_\_\_\_
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

  
Sam Rimell  
Primary Examiner  
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Reasons for Allowance

Claims 1-66 are pending. Claims 1, 23 and 45 are independent. Claims 2-22, 24-44 and 46-66 are dependent. The closest identified prior art is to Nakao et al. (U.S. Patent 6,141,443).

Claim 1: Claim is addressed to a method for text summarization produced by clustering data points with defined quantified relation values between them. Claim 1 has been amended to define the steps of obtaining a lead value for each data point calculated by taking a sum of all relation values input into the data point and weighted by a frequency of occurrence associated with the data point. A text summarization is then generated by segmenting text input comprising said data points into clusters and forming sets of leaders of said clusters to represent the text summarization. Nakao et al. does not teach this set of features.

Claim 23: Claim 23 is addressed to a system for text summarization produced by clustering data points with defined quantified relation values between them. Claim 23 has been amended to define a means to obtain a lead value for each data point calculated by taking a sum of all relation values input into said data point and weighted by a frequency of occurrence associated with the data point. The system includes means for generating a text summarization by segmenting text input comprising said data points into clusters and forming a set of leaders of said clusters to represent the text summarization. Nakao et al. does not teach this set of features.

Claim 45: Claim 45 is addressed to a computer program product comprising computer readable code for text summarization produced by clustering data points with defined quantified relation values between them. Claim 45 has been amended to define code means to obtain a lead value for each data point calculated by taking a sum of all relation values input into said data point and weighted by a frequency of occurrence associated with said data point. The program

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product includes code means for generating a text summarization by segmenting text input comprising data points into clusters and forming a set of leaders of said clusters to represent the text summarization. Nakao et al. does not teach this set of features.

Accordingly, claims 1, 23 and 45 are allowable. Claims 2-22, 24-44 and 46-66 are dependent therefrom and allowable.